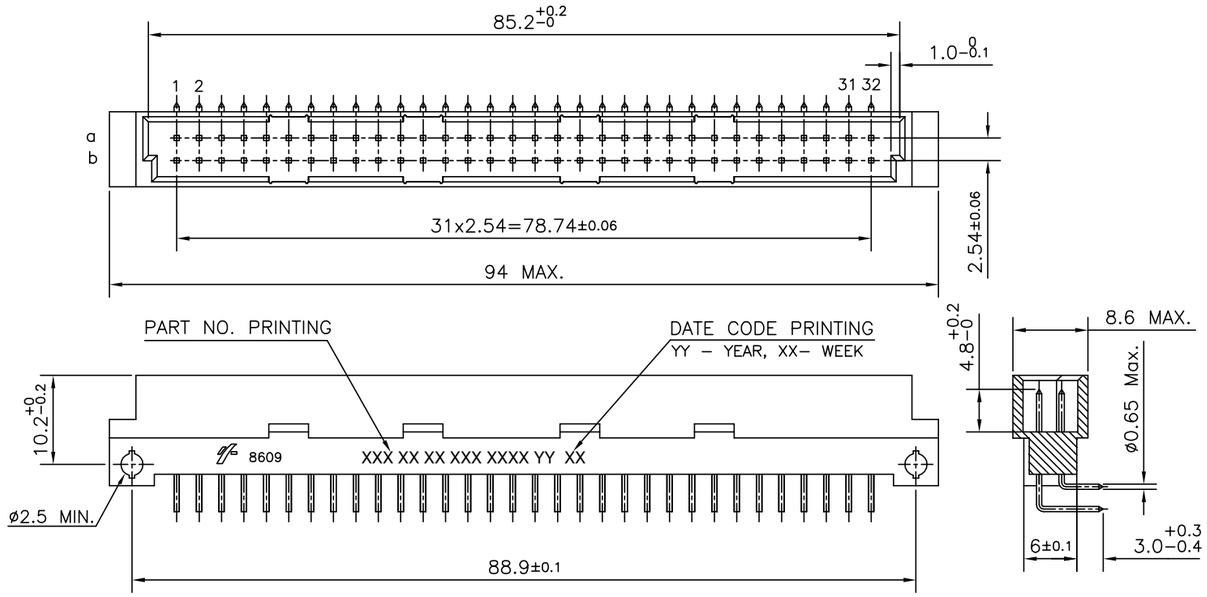
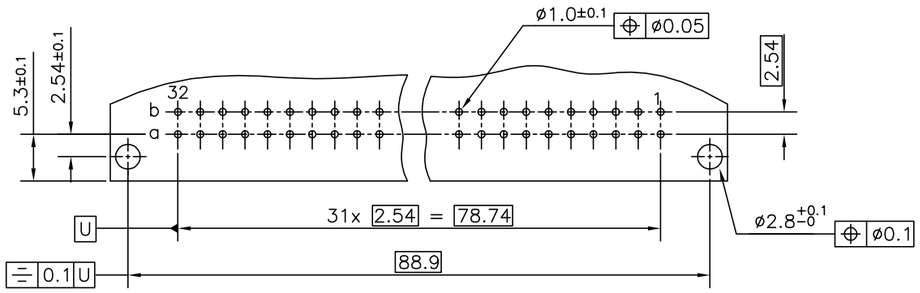
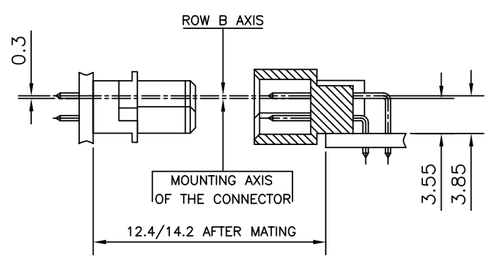


P.C.B DRILLING DETAILS





TECHNICAL SPECIFICATION

HOUSING MATERIAL	:	THERMOPLASTIC POLYESTER UL94V0, GREY
HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260–265°C WHEN USED WITH PROTECTIVE ADHESIVE OR PROTECTIVE METALLIC DEVICE FOR RIGHT ANGLE CONNECTORS AS IT IS USED IN CLASSICAL LEAD WAVE SOLDERING AT 235–250°C		
CONTACT/HARPOON MATERIAL	:	COPPER ALLOY
CONTACT ACTIVE ZONE PLATING	:	GOLD OVER NICKEL
CONTACT TERMINATION ZONE/HARPOON PLATING		
TIN LEAD VERSION	:	TIN LEAD OVER NICKEL
LEAD FREE VERSION	:	TIN (PURE MATTE) OVER Ni

ELECTRICAL DATA

CURRENT RATING AT 20°C	:	1.5 A
CURRENT (I MAX)	:	2 A
TEMPERATURE RANGE	:	–55°C/+125°C
CONTACT RESISTANCE	:	≤ 20mΩ
INSULATION RESISTANCE	:	≥ 10^6 MΩ
TEST VOLTAGE (rms)	:	1000V

MECHANICAL DATA

INSERTION FORCE PER CONTACT	:	≤ 0.94N
EXTRACTION FORCE PER CONTACT	:	≥ 0.15N

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603–2

SERIES	8609	2	64	5	1	13	7	5	5	000E

ROWS FITTED WITH CONTACTS
Rows a – – 1 — 32
Rows a b – 2 — 64

NUMBER OF CONTACTS

TYPE OF INSULATOR
2 ROW MALE INSULATOR — 5

METHOD OF MOUNTING
STANDARD MOUNTING – STYLE B — 1

TERMINATION
ANGLED SPILL — 13

OPTIONS
NO OPTION — 7
WITH HARPOONS — H

PERFORMANCE CLASS
DIN 41612 CLASS 3 — 4
DIN 41612 CLASS 2 — 5
DIN 41612 CLASS 1 — 6
AS PER MIL C 55302/ JSS 50808 — 8

PITCH PER ROW
2.54 — 5

000E — TIN LEAD VERSION
ELF — LEAD FREE VERSION

NOTES:-
1. THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
2. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 3.5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6 MM MINIMUM THICK CIRCUIT BOARD
3. LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.

ltr	ecn no	dr	date
A	I04–0063	MINI	17/09/2004
B	I05–0089	MINI	19/05/2005
C	I06–0061	MINI	31/05/2006
D	I06–0164	MINI	31/08/2006

dr	MINI K VANDANATH	17/09/2004
engr	RAKHEE GEORGE	17/09/2004
chr	RAKHEE GEORGE	31/08/2006
appd	RAKHEE GEORGE	31/08/2006

mat'l. code –
surface ISO 1302
tolerance ISO 406 ISO 1101
tolerances unless otherwise specified
angles 0°±1° | linear .0±.1
projection
mm
scale –
sheet index | revision D | sheet 1

product family: 8609
title: DIN STANDARD HEADER
ANGLED SPILL DIN 41612 STYLE-B
dwg no C-8609-2008
sheet 1 of 1
size A3
type Product Customer Drawing

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form: A3

PDM: Rev:D STATUS:Released Printed: Oct 30, 2007